

PRELIMINARY AMENDMENT
New National Stage Entry Application of
PCT/FR2005/000774

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A valve (110) comprising a shutter (20) placed in a chamber (12) provided in a valve body, an end of said chamber being provided with a seat (116) against which a flap-forming part of the shutter rests in a closed position of the valve and is remote therefrom in ~~a-an~~ open position of the valve and a magnetic control device including shutter magnetic drive means (130) disposed outside the chamber for moving it either to its closed position or to its open position, ~~characterized in that the~~wherein said magnetic control device further comprises at least one ball (123) which is made of a magnetic material, disposed in thesaid chamber and which is coupled to thesaid external magnetic drive means (130), said ball being associated with thesaid shutter in such a way that said shutter is driven in thesaid chamber (12) when said ball is itself moved by thesaid external magnetic drive means.

2. (Currently Amended) The valve as claimed in claim 1, ~~characterized in that~~ thewherein said ball (123) turns freely relative to thesaid shutter (20).

3. (Currently Amended) The valve as claimed in ~~either~~ claim 1 ~~or~~ claim 2, ~~characterized in that~~ thewherein said shutter (20) includes at least one housing (124, 824) in

PRELIMINARY AMENDMENT
New National Stage Entry Application of
PCT/FR2005/000774

which at least one ball is placed.

4. (Currently Amended) The valve as claimed in ~~any one of claims 1 to 3~~ claim 1, characterized in that ~~it is~~ wherein said valve is adapted to center ~~the~~ said shutter in ~~the~~ said valve body.

5. (Currently Amended) The valve as claimed in claim 4, characterized in that ~~the~~ wherein said shutter is associated with at least two balls that cooperate ~~with it~~ therewith and ~~the~~ said valve body to provide centering by ~~the~~ said external magnetic drive means.

6. (Currently Amended) The valve as claimed in claim 4, characterized in that ~~wherein~~ centering means (324) are disposed inside ~~the~~ said chamber, on ~~its~~ the lateral wall thereof, so as to cooperate with ~~the~~ said shutter.

7. (Currently Amended) The valve as claimed in claim 4, characterized in that ~~wherein~~ centering means (324) are disposed on ~~the~~ said shutter so as to cooperate with ~~the~~ said internal lateral wall of ~~the~~ said chamber.

8. (Currently Amended) The valve as claimed in either claim 6 or claim 7, characterized in that ~~the~~ wherein said centering means are fins (524; 825).

PRELIMINARY AMENDMENT
New National Stage Entry Application of
PCT/FR2005/000774

9. (Currently Amended) The valve as claimed in ~~any one of the preceding claims~~^{claim 1, characterized in that wherein} said shutter is associated with at least two balls offset longitudinally relative to the axis of ~~the said~~ shutter.

10. (Currently Amended) The valve as claimed in ~~any one of the preceding claims~~^{claim 1, characterized in that wherein} at least one section of ~~the said~~ shutter is associated with at least two balls that are offset angularly relative to each other.

11. (Currently Amended) The valve as claimed in ~~any one of the preceding claims~~^{claim 1, characterized in that wherein} two separate sections of ~~the said~~ shutter are each associated with at least two balls disposed so that the angular offset between two successive balls of a same section is less than or equal to 180° .

12. (Currently Amended) The valve as claimed in ~~any one of the preceding claims~~^{claim 1, characterized in that wherein} the (n) balls of a section are offset angularly by an angle equal to $360^\circ/n$.

13. (Currently Amended) The valve as claimed in ~~any one of the preceding claims~~^{claim 1, characterized in that wherein} at least one fluid passage groove (113) is machined in the inside wall of said chamber (12) and a rolling area (114) is formed on either side of said groove.

PRELIMINARY AMENDMENT
New National Stage Entry Application of
PCT/FR2005/000774

14. (Currently Amended) The valve as claimed in ~~any one of the preceding claims~~^{claim 1, characterized in that the} wherein said drive means (130) placed outside ~~the~~ ^{said} valve body are adapted to be moved along a direction (133) parallel to the longitudinal axis (A1) of ~~the~~ ^{said} valve so as to drive the at least one ball (123) simultaneously.

15. (Currently Amended) The valve as claimed in claim 14, ~~characterized in that the~~ wherein said drive means (130) comprise at least one magnet.